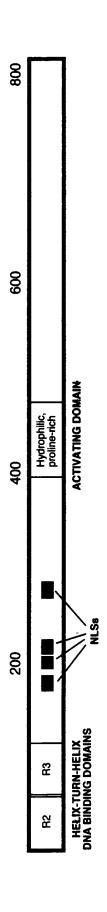
MPRIMIKGGVWRNTEDEILKAAVMKYGKNQWSRIASLLHRKSAKQCKARW	50
YEWLDPSIKKTEWSREEEEKLLHLAKLMPTQWRTIAPIIGRTAAQCLEHY	100
EFLLDKAAQRDNEEETTDDPRKLKPGEIDPNPETKPARPDPIDMDEDELE	150
MLSEARARLANTQG <u>KKAKRKAREK</u> QLEEARRLAALQ <u>KRRELR</u> AAGIEIQ <u>K</u>	200
KRKRKRGVDYNAEIPFEKKPALGFYDTSEENYQALDADFRKLRQQDLDGE	250
LRSEKEGRD <u>RKKDKOHLKRKK</u> ESDLPSAILQTSGVSEFTKKRSKLVLPAP	300
QISDAELQEVVKVGQASEIARQTAEESGITNSASSTLLSEYNVTNNSVAL	350
RTPRTPASQDRILQEAQNLMALTNVDTPLKGGLNTPLHESDFSGVTPQRO	400
VVQTPNTVLSTPFRTPSNGAEGLTPRSGTTPKPVINSTPGRTPLRDKLNI	450
NPEDGMADYSDPSYVKOMERESREHLRLGLLGLPAPKNDFEIVLPENAEK	500
■ ELEEREIDDTYIEDAADVDARKQAIRDAERVKEMKRMHKAVQKDLPRPSE	550
VNETILRPLNVEPPLTDLQKSEELIKKEMITMLHYDLLHHPYEPSGNKKG	600
KTVGFGTNNSEHITYLEHNPYEKFSKEELKKAQDVLVQEMEVVKQGMSHG	650
ELSSEAYNQVWEECYSQVLYLPGQSRYTRANLASKKDRIESLEKRLEINR	700
GHMTTEAKRAAKMEKKMKILLGGYQSRAMGLMKQLNDLWDQIEQAHLELR	750
TFEELKKHEDSAIPRRLECLKEDVQRQQEREKELQHRYADLLLEKETLKS	800
KF*	

Fig. 1A



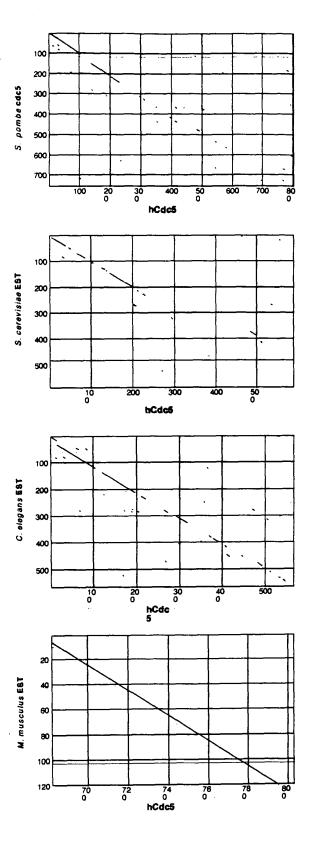


Fig. 2A

(99-9)(5-55)(88-137)(87-136)(92-141)LKGGAWKNTEDEILKAAVSKYGKNOWARISSLLVRKTPKOCKARWYEWIDP VK-GPWTKEEDDKVIELVKKYGTKOWTLIAKHLKGRLGKOCRERWHNHLNP IK-GPWTKEEDDRVIELVOKYGPKRWSLIAKHLKGRIGKOCRERWHNHLNP IK-GPWTKEEDDRVIELVOKYGPKRWSVIAKHLKGRIGKOCRERWHNHLNP IKGGVWRNTEDEILKAAVMKYGKNQWSRIASLLHRKSAKQCKARWYEWLDP Spombe cdc5 7 2 2 5 5 b-Myb a-Myb oMyo

Fig. 2B

NCGCS PLKGGLNI
S. pombe cdc5 SVTIEVRN
b-Myb PVK-TL--

SVTIEVRNQLMNREQSSLLGQESIPLQPGGTGYTGVT-PSHAANGS---ALAAP--Q--ATP (380-434) PVK-TL--PFSPSQFLNFWNKQDTLELESPSLTSTPVCSQKVVVTTPLHRDKTPLHQKHAAF(445-503) PLKGGLNTPLHESDFSGVTPQRQVVQTPNTVLSTPFRTPSNGAEGLTPRSGTTPKPVINSTP(378439) ILRKKRKMRVGHSPGSEL-RDGSUNDGGNMALKTPLKTPFSPSQFFNTCPGNEQLNIENPSF (446-500)

> hCdc5 S. pombe cdc5 b-Myb

a-Myb

(435-487) (504-565) (509-569) VTPDQKYSMDNTRHTP-TPFKNAKYGPLKPLPQTRHLEEDLKEVLRSEAGIELIIEDDIRP GRTPLRDKLNINREDGMADYSDPSYVKQMERESREHLRLGLLGLPAPKNDFEIVLPENAEK FRTPR-DTFSINAAAERAGR-LASE-REN-KIRLKALRELLAKLPKPKNDYEL-ME-P-R-TSTPICGQKAL-ITTPLHKETTPKDQKENVGFRTPTIRRSILGTPRTPTPFKNALAAQEKK

Fig. 2C

5' untranslated region:

SCENCINGUAGINATIOS COCCUPITA ATTCCCGTOSCCCANTCCCTGTTACTACTTCTCTGANCCTCCTCTCGCCTGCTTGC

Coding region:

```
1 DMA BINDING DOMAIN (___)
   l atocctogaa ttatoatcaa goodoocota todagoaata cogagoatoa aattotgaaa
 61 gcagoggtaa tgaaatatgg gaaaaatcag tggtotagga ttgootcatt gotgoataga
121 aaatcagcaa agcagtgcaa agccagatgg tatgaatggc tggatccaag cattaagaag
181 acagaatggt ccagagaaga agaggaaaaa ctcttgcact tggccaagtt gatgccaact
241 cagiggagga ccatigcice aaicatigga agaacagegg cecagigeti agaacactai
301 qaatttette tqqataaaqe tgcccaaaqa gacaatgaag aggaaacaac agatgatcca
361 cgaaaactta aacctggaga aatagatcca aatccagaaa caaaaccagc gcggcctgat
421 ccaattgata tggatgagga tgaacttgag atgctttctg aagccagagc ccgcttggct
                     2 NUCLEAR LOCALIZATION DOMAIN (...)
481 aatactcagg gaa<u>agaaggc caagaggaaa gcaagagaga aacaattgga agaagcaaga</u>
541 cgtcttgctg ccctccaaaa aagaagagaa cttcgagcag ctggcataga aattcagaag
601 aaaagaaaaa ggaagagagg agttgattat aatgccgaaa tcccatttga aaaaaagcct
661 gcccttggtt tttatgatac ttctgaggaa aactaccaag ctcttgacgc agatttcagg
721 aaattaagac aacaggatet tgatggggag etaagatetg aaaaagaagg aagagataga
781 aaaaaagaca aacagcattt gaaaaggaaa aaagaatctg atttaccatc agctattctt
 841 caaactagtg gtgtttctga atttactaaa aagagaagca aactagtact tcctgccct
901 cagatttcag atgcagaact ccaggaagtt gtaaaagtag gccaagcgag tgaaattgca
 961 cgtcaaactg ccgaggaatc tggcataaca aattctgctt ccagtacact tttgtctgag
1021 tacaatgtca ccaacaacag cgttgctctt agaacaccac gaacaccagc ttcccaggac
1081 agaattetge aggaageeea gaaceteatg geeeteacea atgtggacae eecattgaaa
3 ACTIVATING DOMAIN (_)
1141 ggtggactta atacccatt gcatgagagt gacttctcag gtgtaactcc acagcgacaa
1201 gttgtacaga ctccaaacac agttctctct actccattca ggactccttc taatggagct
1261 gaagggctga ctccccggag tggaacaact cccaaaccag ttattaactc tactccgggt
1321 agaactcctc ttcgagacaa gttaaacatt aatcccgagg atggaatggc agactatagt
1381 gatccctctt acgtgaagca gatggaaaga gaatcccgag aacatctccg tttagggttg
1441 ttgggccttc ctgcccctaa gaatgatttt gaaattgttc taccagaaaa tgccgagaag
1501 gagetggaag aacgtgaaat agatgatact tacattgaag atgetgetga tgtggatget
1561 cgaaagcagg ccatacgaga tgcagagegt gtaaaggaaa tgaaacgaat gcataaagct
1621 gtccagaaag atctgccaag accatcagaa gtaaatgaaa ctattctaag acccttaaat
1681 gragaaccgc ctttaacaga tttacagaaa agtgaagaac taatcaaaaa agaaatgatc
1741 acaatgette attatgacet tetacateae cettatgaae catetggaaa taaaaaaagge
1801 aaaactgtag ggtttggtac caataattca gagcacatta cctatctgga acataatcct 1861 tatgaaaagt tctccaaaga agagctgaaa aaggcccagg atgttttggt gcaggagatg
1921 gaagtggtta aacaaggaat gagccatgga gagctctcaa gtgaagctta taaccaggtg
1981 tgggaagaat gctacagtca agttttatat cttcctgggc agagccgcta cacacgggcc
2041 aatetggeta gtaaaaagga cagaattgaa teaettgaaa agaggetega gataaacagg
2101 ggtcacatga cgacagaagc caagagggct gcaaagatgg aaaagaagat gaaaattttg 2161 cttgggggtt accagtctcg tgctatgggg ctcatgaaac agttgaatga cttatgggac
2221 caaattgaac aggeteaett ggagttaege aettttgaag aacteaagaa acatgaagat
2281 totgotatto cooggaggot agagtgtota aaagaagaog ttoagogaca acaagaaaga
2341 gaaaaggaac ttcaacatag atatgctgat ttgctgctgg agaaagagac tttaaagtca
```

3' untranslated region:

2401 aaattctga

AGTACAGTITATATTCTGTCACAGGATTAATTAATTGCCGGTTTTCATACTCTAGAAGGCTGAAACTG ATGTTTATCTTCATTGACA AATTTACCCACCATCTGGGTTTTTCAGTTGTTTATTTTTAAATGATATTGCATCTTTACACATTCTGTGTATAAAGACCTTAACTCCACA GGACGGACATTTTAGAGTTTAAATTATTA AGGCTATCATTCTTTTAGTAATGTCATATTTTGCAAACTTTTTTAGTTTTTAGATTAAAAACAAAATATTAAAAA

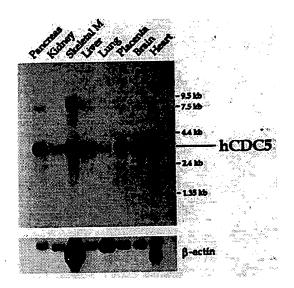


FIG. 3

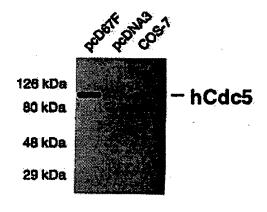


FIG. 4A

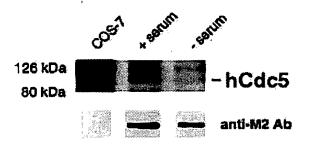


FIG. 4B

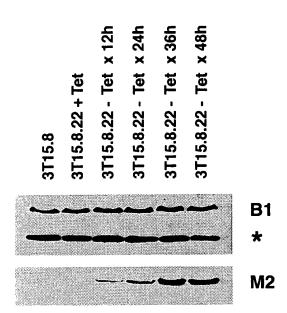


FIG. 5

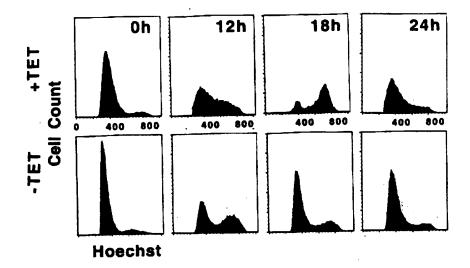


Fig. 6

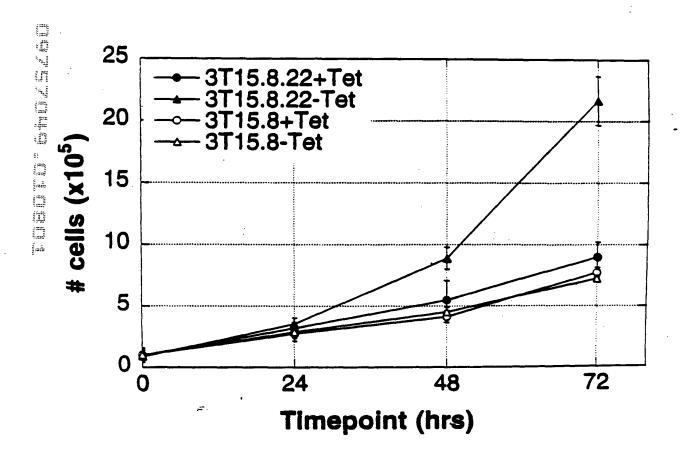


Fig. 7

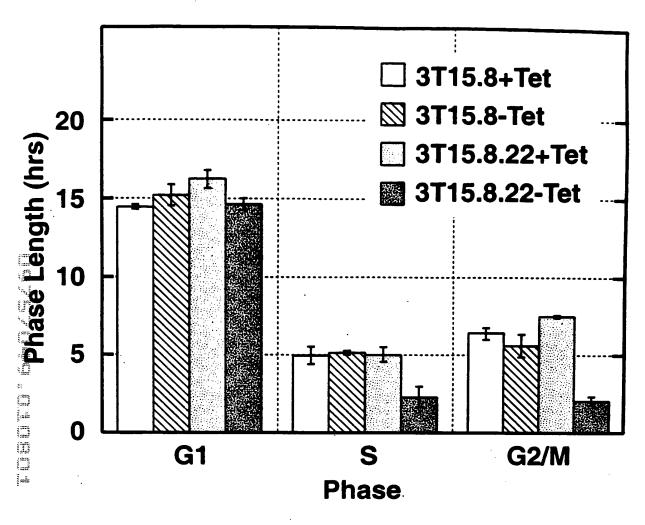


FIG. 8

Fig. 9

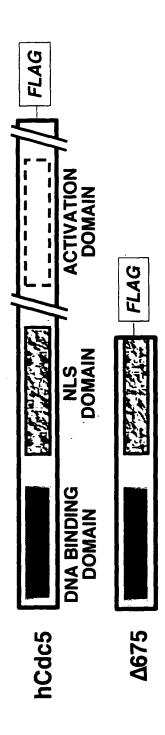


Fig. 1(

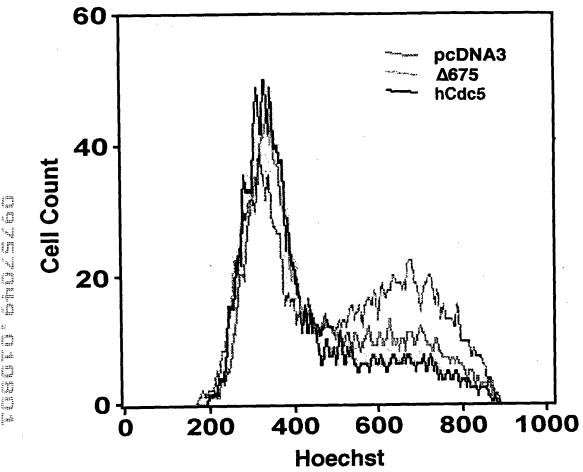


FIG. 11

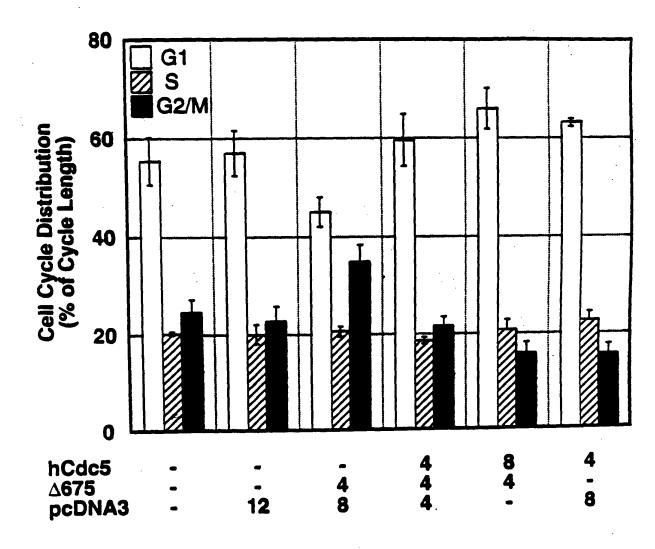


Fig. 12

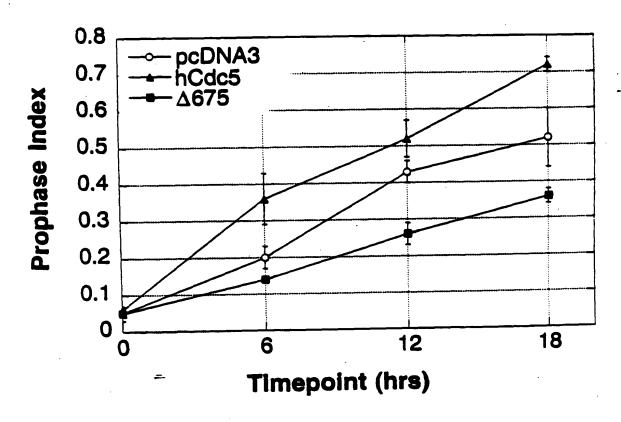


Fig. 13

FIG. 14A

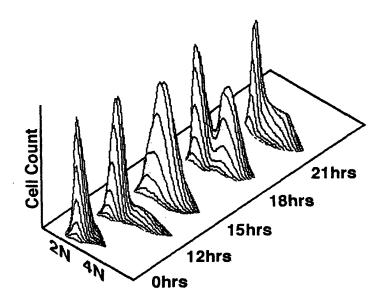


FIG. 14B

	Consensus	G	Α	T	T	T	Α	A	C	A	T	Α	Α	(SEQ	ID	NO:13)
	8.05	G	A	T	Т	Т	Α	Α	C	Α	T	Α	A			
	8.04	G	Α	Т	Т	Т	A	Α	C	Α	Т	A	A			
	8.03	G	Α	Т	Т	Т	Α	Α	C	Α	Т	Α	A			
	8.02	G	Α	Т	Т	Т	Α	Α	C	A	Т	Α	A			
	8.01	G	Α	Т	T	T		Α		Α		Α	A			
	6.05	G	G	T	G	T	A	Α	C	G	T	G	G	(SEQ	ID	NO:36)
	6.04	G C	T	G	T	T	Α	С	C	A	C	A	T	(SEQ	ID	NO:37)
.	6.03	C	C	A	T	Α	A	A	T	T	T	A	G	(SEQ	ID	NO:38)
THE	6.02	G	A	G	A	T	Α	A	A	G	T	C	T	(SEQ	ID	NO:39)
Control of the contro	6.01	G	T	G	T	T	A	T	T	G	Ā	A	A	(SEQ	ID	NO:40)
	3.05	A	C	С	C	A	C	G	T	C	Т	A	T	(SEQ	ID	NO:41)
-	3.04	G	G	T	T	A	G	G	A	T	A	G	G	(SEQ	ID	NO:42)
 	3.03	G G	T	Т	G	A	G	T	A	G	T	A	T	(SEQ	ID	NO:43)
	3.02	C	T	G	T	T	A	A	T	T	T	C	C	(SEQ	ID	NO:44)
======================================	3.01	G	G	T	G	T	Т	A	T	T	G	A	T	(SEQ	ID	NO:45)

FIG 15